**GeneLock®**

 **Food Safety and Quality Control Device.**

 **Product # 32900**

Sierra Molecular Inc is offering a novel and new collection and transport device for the collection and transport of specimens for molecular testing of food samples in food safety and quality control protocols.

The GeneLock™ collection device utilizes patented chemistry which is impregnated in a polymer sponge which is nested

in a closed polypropylene tube system. The collection and transport comes with sterile collection swabs in an environmental format. The benefits of the technology are as follows.

1. Excellent recovery of very low numbers of nucleic acid targets.
2. No Dilution of target
3. Compatibility with all PCR and rtPCR protocols. Assay ready

sample. No purification step necessary by laboratory staff. Just extract DNA/RNA from swab and amplify, using existing protocols.

1. Inactivates or suppresses a broad range of PCR inhibitors allowing for more consistent amplification
2. Designed for ease of use, and swab with chemistry collects 50% more target than conventional swabs. System is totally closed for ease of transport once sample is collected.
3. Excellent thermal protection of samples. No need to refrigerate or

 transport samples at 2-8°C. Samples are protected up to +37°C. For 20

 Days.

1. Chemistry is highly bacteriostatic allowing for preservation of labile

bacterial nucleic acid targets while suppressing log phase growth of bacterial samples. Allowing for quantification of bacterial load by rtPCR .

8. Allows for excellent recovery of spores on working surfaces.

9. Swab and interior of tube are sterile.

 10. The Genelock Device can be used for standard food microbiology

 testing of processes and working surfaces and finished product.

\*Product covered under U.S. patents #6,458,546, 7,569,342 other

 Patents pending.

 For Further information contact Sierra Molecular Inc 209-536-0886